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EDITORIALS.

At an informal meeting of the Texas Academy of Science, October 12, the president, George Bruce Halsted, gave his anaugural address, the subject being: *Original research and creative authorship the essence of University teaching.*

On page 250 of the MONTHLY, the notice of *The Mathematical Magazine* should read: Issued at irregular intervals. Price, $1.00 in advance for four numbers.

Principal A. J. Lilly, of the Northern Iowa Normal and Commercial School, Angola, Iowa, says, All the numbers of the MONTHLY are good and contain much valuable information.

Dr. George Lilley of Portland, Orègon, has a complete set of the *Analyst* which he desires to sell. Anyone desiring a complete set of this valuable Journal will do well to write to Dr. Lilley. Mr. L. B. Fraker of Weston, Ohio, has all but three Nos. of the *Analyst* which he would be pleased to sell.

E. D. West, of West Middleburg, Ohio, expresses himself as being well pleased with the MONTHLY.

We have on hand a number of criticisms to leading articles in the MONTHLY, also a number of replies to previous controversies; but as we also have numerous papers of high order and great value, we desire that these shall appear first.

BOOKS AND PERIODICALS.

A New Life in Education. By Fletcher Durell, Ph. D., professor in Dickinson College, is published by the American Sunday-School Union, Philadelphia, Pa., as No. 9a of the Green Fund Books.

"This work received the first prize of six hundred dollars offered by The American Sunday School Union, under the provision of the John C. Green Income Fund."

The book is a 12 mo. with 288 pages. It is divided into twelve chapters besides an appendix.

"The book is written", as the author says in his preface, with a double purpose, to discuss, first, the place of the religious element in education; and second, the place and function of the highest type of education, in the immediate future."

It is written in an easy, clear, and fluent style, and so facinating that it is difficult to lay it down until you have completed it.

It is one of those pure wholesome books that deserve to have a wide circulation. It should be placed in the hands of every teacher and pupil.

G. W. SHAW.

El Progresso Mathematico. Periodico de Mathematicas Puras y Aplecadas. Director Don Loel G. de Galdeano, Catedratico de la Universidad de Zaragoza.

The editor of El Progresso Mathematico has just sent us a copy of each of the eight issues for the year 1894. This journal is published monthly and is devoted to the solutions of problems in pure and applied mathematics. Many papers on interesting mathematical subjects also appear. The journal is well printed and many of the solutions are illustrated with beautiful black diagrams. The price of the journal to subscribers within the limits of the Postal Union is 11 fr. B. F. F.

Nicolai Ivanovieh Lobaachevsky. Address. Pronounced at the Commemorative meeting of the Imperial University of Kasan, October 22, 1893. By Professor A. Vasiliev, President of the Physico-Mathematical Society of Kasan. Translate from the Russian, with a preface by Dr. George Bruce Halsted, President of the Texas Academy of Science.

We read this very excellent address with much pleasure and profit. Many parts of the address are very eloquent and througout is interesting and instructive. Those who are unfamiliar with the Russian language owe Dr. Halsted a debt of gratitude for making known to them the best Russian thought of the 19th century.

Modern Analytical Geometry.

An Introductory Account of Certain Modern Ideas and Methods in Plane Analytical Geometry. By Charlotte Angas Scott, D. Sc., Girton College, Cambridge; Professor of Mathematics in Bryn Mawr College, Pennsylvania. Large 8vo Cloth. XII+288pp. ($5\frac{1}{2}$x9). Price, $2.50. New York: Macmillan & Co.

A glance at the subjects treated will give an idea of the nature of this work. Chapter I. treats of Point and Line Coordinates; Chapter II., Infinity, Transformation of Coordinates; Chapter III., Figures Determined by Four Elements; Chapter IV., the principal of Duality; Chapter V., Descriptive Properties of Curves; Chapter VI., Metrical Properties of Curves; the Line Infinitiy; Chapter VIII., Unicursal Curves. Tracing of Curves; Chapter IX., Cross-Ratio, Homography, and Involution; Chapter X., Projection and Linear Transformation; Chapter XII., The Absolute; Chapter XIII., Invariants and Covariants.

The book is well written and is a fine specimen of eminent scholarship. It will receive a hearty welcome from all mathematicians who are desirous to acquaint themselves with the progress made in Modern Higher Mathematics. B.F.F.